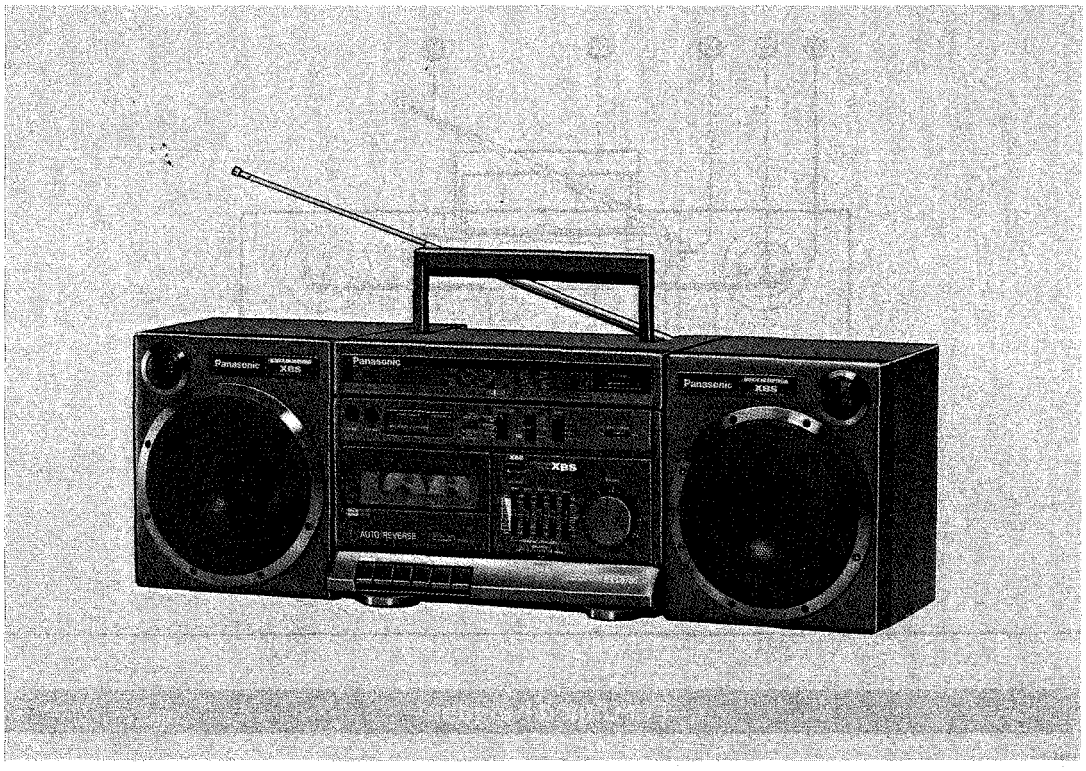
Operating Instructions

Mode d'emploi
Bedienungsanleitung
Istruzioni per l'uso

Portable Stereo Component System

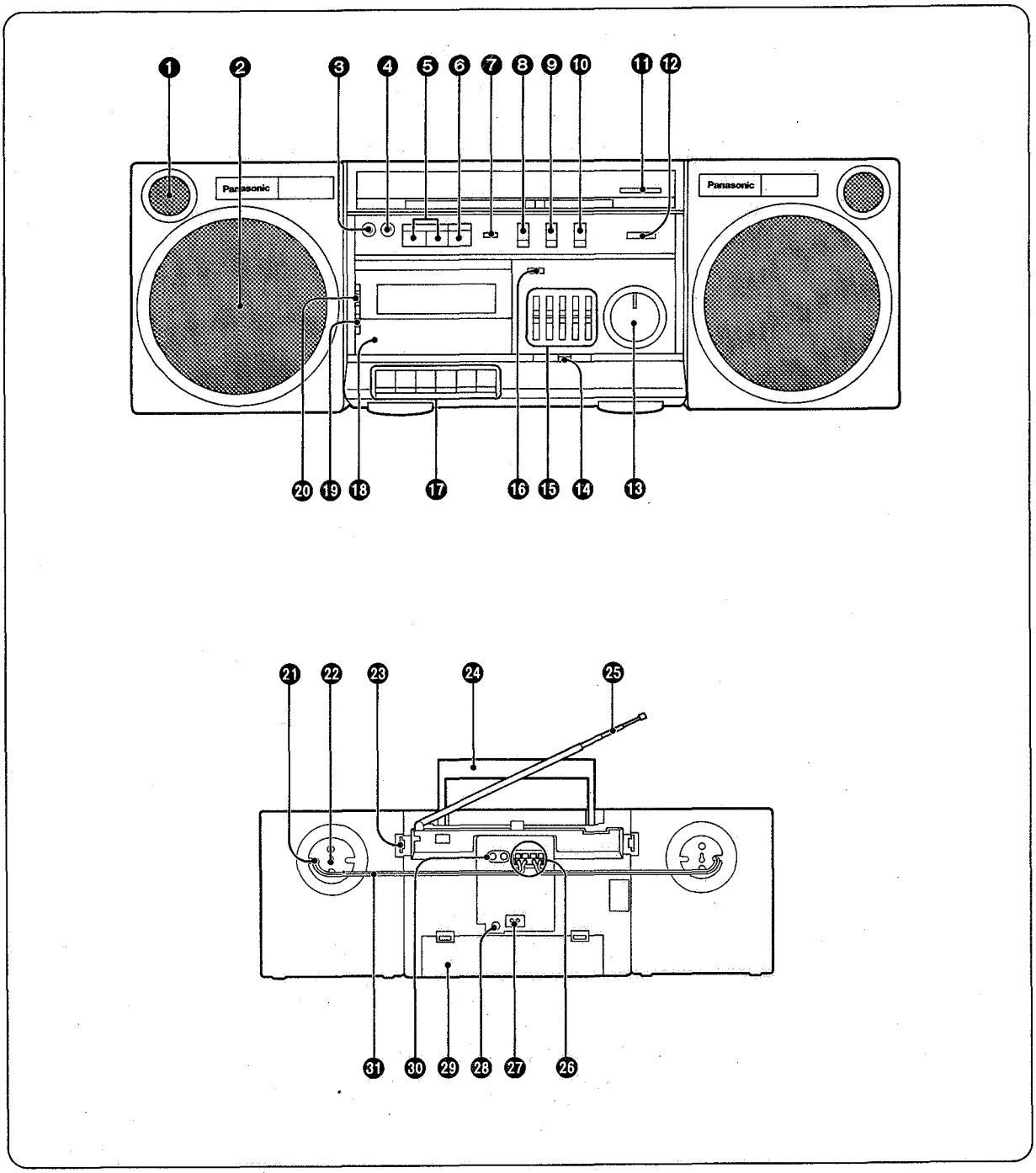
MODEL NO. RX-CS750



Panasonic

Read these instructions completely before operating this unit.

E



For United Kingdom

Important

THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL

BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows.

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Thank you for purchasing this unit.
For optimum performance, follow these operating instructions carefully.

LOCATION OF CONTROLS

❶ **Speakers [Tweeter]**

❷ **Speakers [Woofer]**

❸ **Headphones Jack (PHONES)**
- When using the headphones, avoid listening to sound at excessive volume levels, because it may injure your ears.
- Speakers are automatically cut off when headphones are connected.

❹ **External Microphone Jack (EXT MIC)**

❺ **Operation/Battery Check/Tape Direction Indicators (OPERATION/BATT/REVERSE • FORWARD)**

❻ **FM Stereo Indicator (FM STEREO)**

❼ **Tape Selector (TAPE SELECTOR)**

❽ **FM Mode Selector/Beat Proof Switch (FM MODE/B.P)**

❾ **Function Selector (SELECTOR)**

❿ **Band Selector (BAND)**

⓫ **Tuning Control (TUNING)**

⓬ **Fine Tuning Control (FINE TUNING)**

⓭ **Volume Control (VOLUME)**

⓮ **Balance Control (BALANCE)**

⓯ **Graphic Equalizer Controls (GRAPHIC EQUALIZER)**
"100 Hz" Control functions as an XBS Level Control.

⓰ **XBS (Extra Bass System) Switch**

⓱ **Tape Operation Buttons**
- **Record Button (● RECORD)**
- **Playback Button (▶ PLAY)**
- **Fast Buttons (◀◀ • ▶▶ FAST)**
- **Stop/Eject Button (■/⏏ STOP/EJECT)**
- **Pause Button (❚❚ PAUSE)**

⓲ **Cassette Compartment**

⓳ **Reverse Mode Selector (REVERSE MODE)**

⓴ **Direction Button (DIRECTION)**

㉑ **Speaker Cable Compartments**

㉒ **Speaker Wall Mounts**

㉓ **Speaker Release Levers (RELEASE)**

㉔ **Handle**

㉕ **Telescopic Antenna**

㉖ **Speaker Terminals [SPEAKER (IMP 2.7–8Ω)]**

㉗ **AC Socket (AC IN ~)**

㉘ **DC Input Jack [DC IN 13.2 V (12–15 V)(⊖-◉-⊕)]**

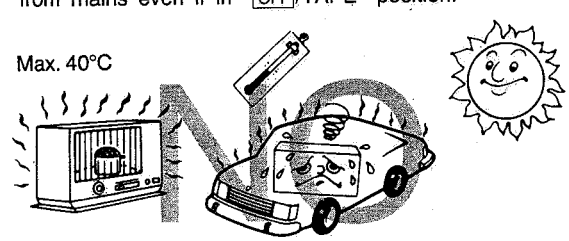
㉙ **Battery Compartment**

㉚ **CD/AUX Input Jacks (CD/AUX IN)**

㉛ **Speaker Cables**

PRECAUTIONS

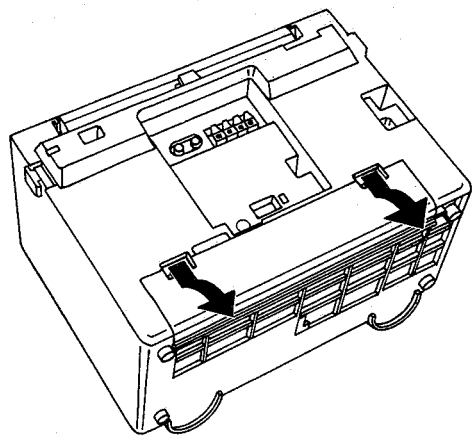
- **If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage.**
- Avoid using or placing this unit near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long time with the doors and windows closed as this may deform the cabinet.
- Avoid cuts, scratches, or poor connections in the AC power cord, as they may result in possible fire or electric shock hazard. Also, excessive bending, pulling or splicing of the cord should be avoided.
- Do not unplug the AC power cord by pulling on the cord. To do so may cause premature failure or shock hazard.
- Do not operate the set on AC power in a bathroom, as a potential shock hazard may result.
- When not in use, disconnect the AC power cord from the AC power outlet.
- The Function Selector switch does not separate entire unit from mains even if in "OFF/TAPE" position.



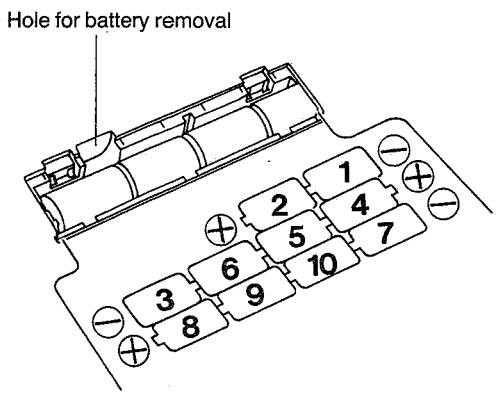
POWER SOURCE

■ Battery Operation

1. Open the Battery Compartment cover as shown in the figure below.



2. Insert 10 UM-1 (Panasonic R20/LR20 or equivalent, not included) batteries into the Battery Compartment, making sure that the batteries are installed in the designated numerical order and that the proper polarities are maintained.



3. Replace the compartment cover.

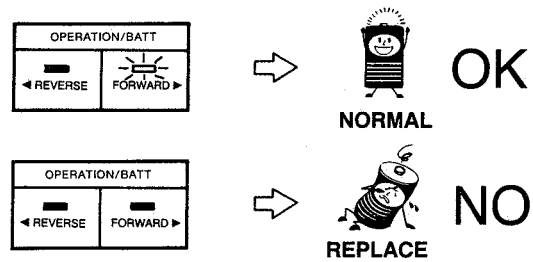
To Prevent Possible Damage to This Unit

- Load new batteries with their polarities (⊕ and ⊖) aligned correctly.
- Do not apply heat to batteries, or internal short-circuit may occur.
- If this unit is not to be used for a long period of time, or used on AC mains supply, remove all batteries and store them in a cool and dry place.
- Remove spent batteries immediately and dispose of them.
- Do not use old and new batteries together. Also never use an alkaline battery with a manganese battery.

•Battery life

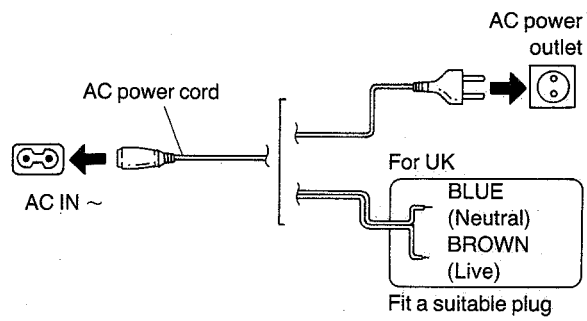
When the batteries are weak, the tape speed will slow down, the sound will become distorted, and the volume will decrease.

1. Set the Function Selector to "OFF/TAPE".
2. Press the Playback Button.
   - If the Operation/Battery Check/Tape Direction Indicator goes out or dims, replace all batteries with new ones.



■ AC Power Operation

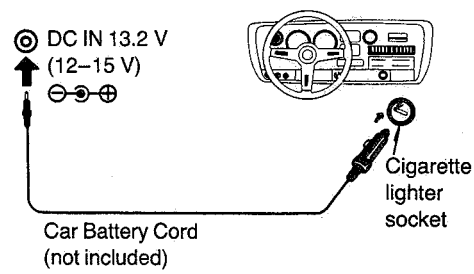
Connect the included AC power cord to the AC Socket in the unit and your household AC power outlet.



Note:
To operate on battery power, unplug the AC power cord from the household AC power outlet and the AC Socket on the unit.

■ Car Battery Operation

1. Insert the plug of the car battery cord into the DC Input Jack.
2. Plug the other end into the cigarette lighter socket in your car.
   Upon plugging the car battery cord into the DC Input Jack, the unit will automatically switch from internal battery to car battery operation.



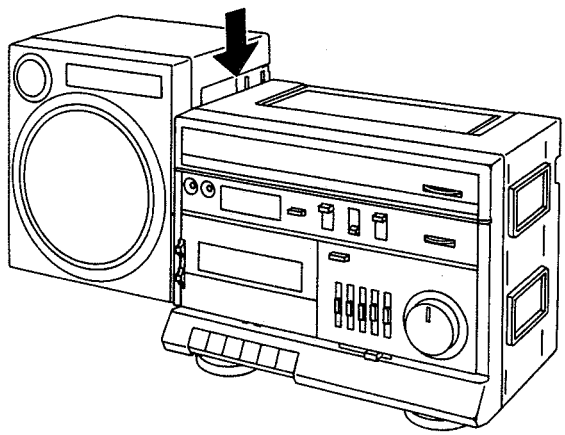
SPEAKER SYSTEM CONNECTION

This unit can be used as a one-piece portable stereo radio cassette recorder, or a three-piece component system, by attaching or detaching the speaker system.

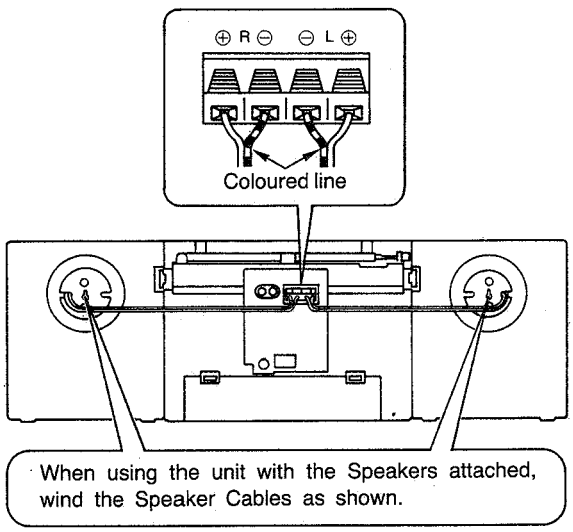
- Before attaching or detaching the Speakers, be sure to disconnect the Speaker Cables from the Speaker Terminals.
- Be sure to set the Function Selector to "OFF/TAPE" before connecting the Speaker Cables.

■ Attaching the Speakers

1. Align the speaker with the main unit as shown in the figure, interlock the grooves and press down.



2. Connect the speaker cord end, marked by a colored line, to the ⊖ speaker terminal and then in turn to the appropriate speaker.
   - Stereo effect and tonal quality are likely to be impaired if the polarities (⊕ and ⊖) are not properly maintained.

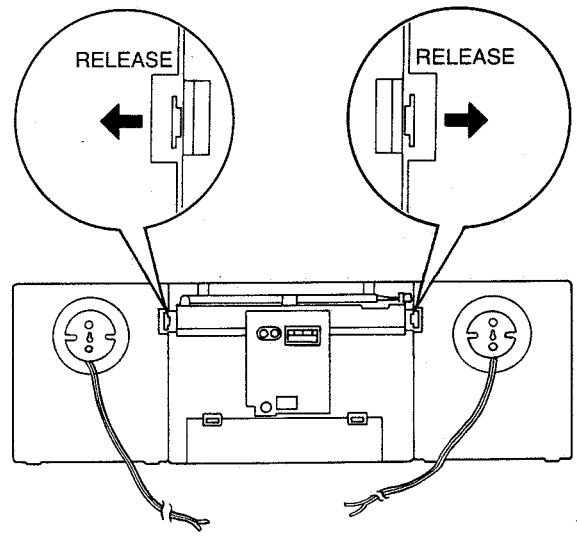


When using the unit with the Speakers attached, wind the Speaker Cables as shown.

Note:
Since a strong magnet is used for the Speaker, keep magnetized commuter passes, tickets or personal credit cards, recorded tapes, watches, etc. away from the set. The speaker magnet in the set may damage them.

■ Detaching the Speakers

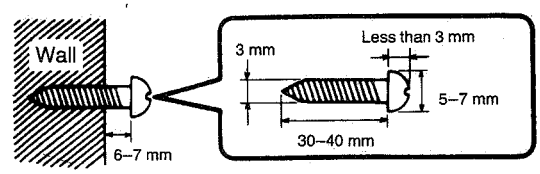
1. Unlock the Speaker Release Levers by pulling them in the direction shown below, and slide up each Speaker.



2. Connect the Speaker Cables to the Speaker Terminals.

■ Speaker Wall Mounts

1. Drive one screw into the wall for each speaker, as shown in the figure. Ensure that both the screws and the wall can support a 20 kg load.
2. Mount the Speakers to the wall by hanging the Speaker Wall Mounts (built into the speaker cabinet) onto the screws.



RADIO

1. Set the Function Selector to "TUNER".
   - The Operation/Battery Check/ Tape Direction Indicator will light.
2. Set the Band Selector to the desired radio band.
3. Tune in your favourite station using the Tuning Control.
4. Adjust the Volume and Balance Controls.
5. Adjust the Graphic Equalizer and Extra Bass System to the desired settings.
   (Refer to "Graphic Equalizer" and "Extra Bass System".)
6. The radio can be turned off by setting the Function Selector to "OFF/TAPE".

Notes:
- To receive FM stereo broadcasts, set the FM Mode Selector to "STEREO". The FM Stereo Indicator will light during stereo broadcasts.
- If FM stereo reception is poor (excessive noise, FM Stereo Indicator flickers), set the FM Mode Selector to "MONO". This will reduce the noise and provide clear reception; however, the broadcast will not be heard in stereo.

■ Graphic Equalizer

It allows you to tailor the frequency response of the unit to compensate for room acoustics and other factors which affect frequency response. The overall tone can be altered by adjusting the controls which control the following frequency bands:
100 Hz, 330 Hz, 1 kHz, 3.3 kHz, 10 kHz.
Positioning the control to the "+" side of the detent will amplify the corresponding frequency band; the "−" side will attenuate it.
- If the XBS Switch is set to "ON", 100 Hz Control functions as an XBS Level Control.

■ Extra Bass System

When the Extra Bass Switch is set to "ON", the dynamic low frequency ranges are boosted. Adjust the level by using the XBS Level Control.
It is amplified at low volume levels and attenuated at high volume levels.
Using this system with Graphic Equalizer helps you to get more dynamic sounds.

Notes:
- The Extra Bass System effect may be different according to the programme content of the music tape.
- When you playback the music tape which was recorded with a high level, the playback sound may be distorted. In this case, adjust with XBS Level Control.

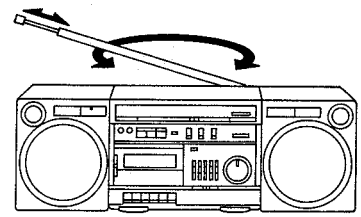
■ Fine Tuning Control

For SW broadcasts, tune to the approximate frequency with the Tuning Control, and then use the Fine Tuning Control for more precise tuning.

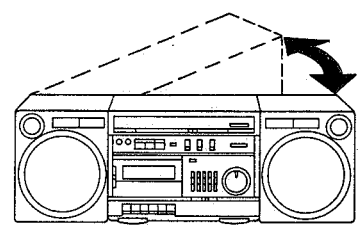
Note:
When using the Tuning Control, be sure to set the Fine Tuning Control pointer to the centre position.

■ Antennas

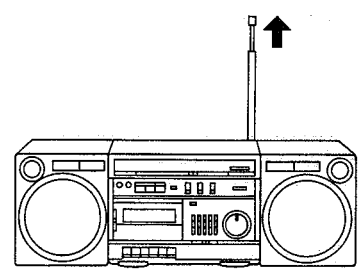
FM:
- Pull out the Telescopic Antenna and adjust its length and angle for optimum reception.



LW/MW:
- The sensitive ferrite core antenna inside the set will provide excellent LW/MW reception in most areas. For optimum reception, turn the set in the direction which gives the best results, since the ferrite core antenna is directional.

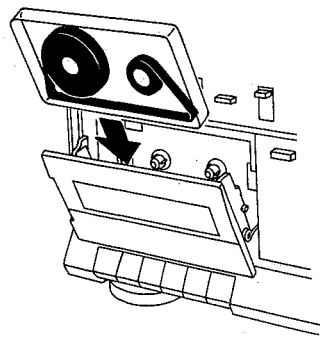


SW:
- Extend the Telescopic Antenna fully, keep it vertical.



TAPE PLAYBACK

1. Open the Cassette Compartment cover by pressing the Stop/Eject Button. Insert the cassette as shown in the figure, and then close the Cassette Compartment cover.



Note:
Make sure the exposed part of the cassette tape is face down. If it is upside down, the Cassette Compartment cannot be closed, do not try to force it shut.

2. Set the Function Selector to "OFF/TAPE".
3. Set the Tape Selector, as shown in the table below, according to the cassette tape used.

Tape Selector Settings

Tape Selector Position	Tape
METAL P.B CrO_2	Metal tape (for playback only)
	High bias chromium tape or equivalent
NORMAL	Low bias ferric oxide tape

4. Set the Reverse Mode Selector to the desired mode.
   ⇉ : Auto-reverse mode
   ↻ : Auto-continuous mode
   (Refer to "AUTO REVERSE" on page 8.)
5. Press the Playback Button to begin tape playback to the forward direction.
   - The Operation/Battery Check/Tape Direction (FWD) Indicator will light.
   - You can select the side for playback by pressing the Direction Button. In this case, the Direction Indicators show the tape direction.

Note:
If another tape operation is made during the tape movement, be sure to press the Stop/Eject Button.

6. Adjust the Volume and Balance Controls.
7. Adjust the Graphic Equalizer and Extra Bass System to the desired settings.
   (Refer to "Graphic Equalizer" and "Extra Bass System".)
8. To stop the playback, press the Stop/Eject Button.

■ Automatic Stop

When the tape reaches the end during playback or recording, the automatic stop system will release the Playback and Record Buttons and automatically turn the unit off. During playback, if the Reverse Mode Selector is set to " ↻ " position, the automatic stop system does not function. And note that the unit is not turned off if the Function Selector is set to "TUNER" or "CD/AUX", it must be set to "OFF/TAPE".

■ Fast Forward and Rewind

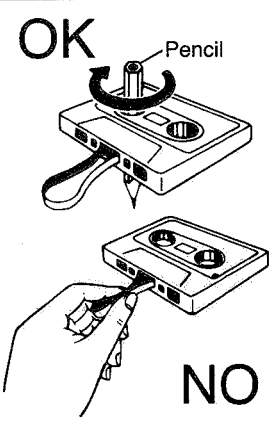
The tape will rapidly advance in the forward or reverse direction when one of the Fast Buttons is pressed.

Notes:
- Do not press the Playback Button during fast forward or rewind, as this may jam the tape. Always press the Stop/Eject Button first, between functions.
- When the tape reaches the end by pressing the Fast Buttons, the automatic stop system does not function. The tape will stop, but the motor continues to turn, do not leave the set in this condition. Be sure to press the Stop/Eject Button.

CASSETTE TAPES

Use only good-quality tapes up to the length of C-90. Do not use C-120 tapes with this unit because these tapes can easily become broken or stretched if not used with extreme care and may get tangled with the capstan and pressure roller.

If the tape loosens, take up the slack by turning the reel in the proper directions.



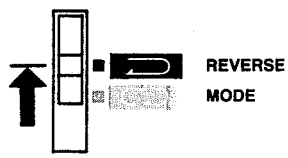
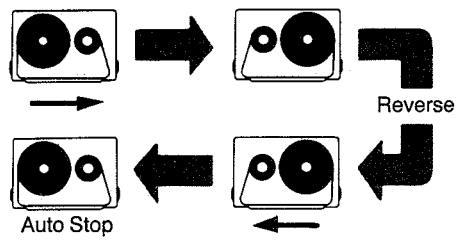
Do not handle, or pull the tape out of the cassette.

Note:
Cassettes, both recorded and unrecorded, should not be stored in locations with high temperature, high humidity or direct sunlight. Never place a recorded cassette near a magnetic source, such as a magnet or a TV set as this may affect tape performance.

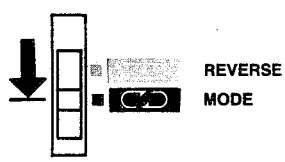
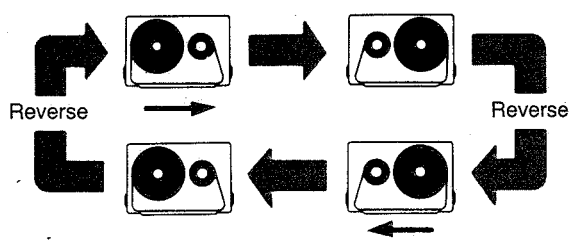
AUTO REVERSE

This unit is equipped with an auto reverse function that allows you to perform two-side playback or repeat two-side playback.
●If the Direction Button is pressed during the tape playback, the reverse side of the cassette tape can be heard.

■ To listen to side 1 and side 2 with auto reverse (two-side playback)

Reverse Mode Selector	Tape Direction	Indicators
	●Be sure to start from the forward direction (side 1). 	

■ To listen to side 1 and side 2 repeatedly (repeat two-side playback)

Reverse Mode Selector	Tape Direction	Indicators
	 ●Playback will be repeated until the Stop/Eject Button is pressed.	

Notes:
●Auto reverse does not function during recording. Recording can be made only in the forward direction.
●During playback in the reverse direction, if you press the Stop/Eject Button to stop the tape movement, and then press the Playback Button again, playback will begin always in the forward direction.

RECORDING

- This unit has an Automatic Level Control (the recording level is automatically adjusted.)
- Recording and erasure of recording can be made only in the forward direction.

■ Recording Radio Broadcasts

1. Follow the procedure described in "RADIO".
2. Insert the cassette into the Cassette Compartment.
3. Set the Tape Selector according to the cassette tape used.
4. Press the Record Button and the recording will begin.
5. To stop the recording, press the Stop/Eject Button.
6. Set the Function Selector to "OFF/TAPE" to turn the unit off.

Note:
The Graphic Equalizer or Extra Bass System does not function when recording. Only the monitor sound is affected.

•Beat Proof Switch
When an LW, MW or SW broadcast is recorded the Beat Proof Switch can be used to reduce unwanted "beat" signals (whistle) which are sometimes present. Set the switch to whichever position best reduces these "beat" signals.

■ Recording through External Microphone

1. Connect the external microphone (not included) to the External Microphone jack.
2. Set the Function Selector to "OFF/TAPE".
3. Follow the procedure described in steps 2–5 of "Recording Radio Broadcasts".

■ Recording from External Equipment (Refer to page 35.)

1. Connect the output terminal of the external equipment to the Mixing CD/AUX Input Jacks.
2. Set the Function Selector to "CD/AUX".
3. Follow the procedure described in steps 2–6 of "Recording Radio Broadcasts".

■ Pause Button

The Pause Button can be used to temporarily stop the tape from moving during recording or playback.
Before beginning a recording, first press and lock the Pause Button. Then, press the Record Button. (The tape will not move.) When ready to record, press the Pause Button to release it. This will start tape movement for immediate recording.

Note:
Do not use the Pause Button to stop the tape for a long period of time.
The unit is not turned off when the Pause Button is pressed. Always use the Stop/Eject Button to turn the unit off.

■ Monitoring

The monitor system enables you to listen, through the Speakers or headphones, to the sound as it is being recorded.
If it is necessary to adjust the volume level of the sound being monitored, do so by using the Volume Control.

Note:
If an external microphone is placed too close to the speakers, feedback (howling) may be heard. If so, place the microphone as far away from the speakers as possible, or reduce the volume.

■ Erasure of Recording

When recording, previously recorded signals on the tape will be erased automatically.
To erase a tape without re-recording, use the following procedure. (Make no connections to the External Microphone Jack.)

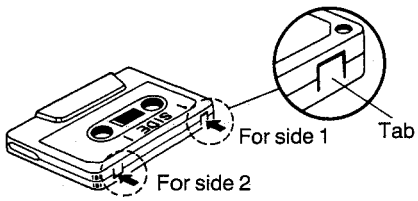
1. Set the Function Selector to "OFF/TAPE".
2. Set the Tape Selector according to the cassette tape used.
3. Press the Record Button.

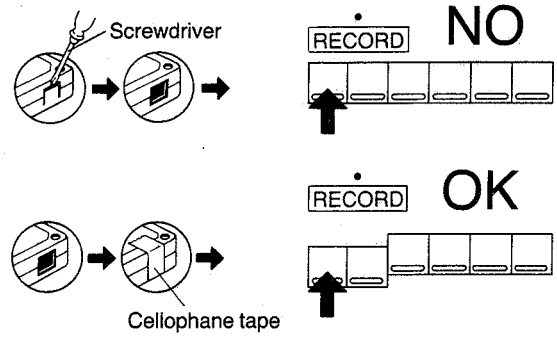
USING THE SET AS AN AMPLIFIER

1. Connect the equipment to be amplified to the CD/AUX Input Jacks.
2. Set the Function Selector to "CD/AUX".
3. Adjust the Volume, Balance, Graphic Equalizer Controls and Extra Bass System to the desired settings.
4. Set the Function Selector to "OFF/TAPE" to turn the unit off.

RECORD PREVENTION TABS

Cassettes are provided with plastic tabs (as illustrated) to prevent accidental erasing of a recording.
Recordings can be made only when the tab is intact.
There is one tab for each side of the tape. To preserve a valuable recording, the tab(s) should be broken off with a small screwdriver.
If you want to record on a track whose tab has already been broken off, use cellophane tape to cover the hole, and record.





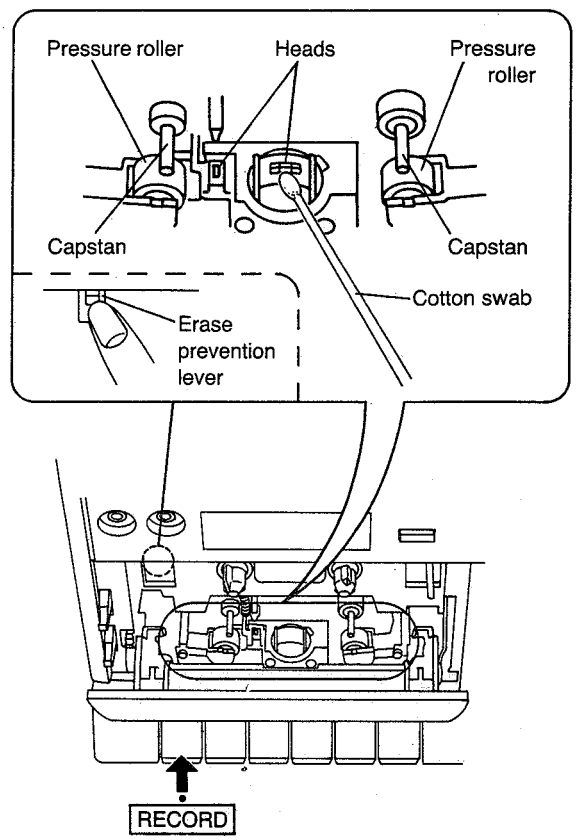
MAINTENANCE

The head assembly, Capstans, and Pressure rollers are in constant contact with the tape. If these parts are dirty, the sound quality will be impaired. Get into the habit of cleaning the parts regularly (after every 10 hours or so of use) in accordance with the procedure outlined below.

1. Open the Cassette Compartment cover by pressing the Stop/Eject Button.
2. Press the Record Button while pushing the Erase prevention lever (see the figure) located inside the Cassette Compartment.
   The Recording/playback head, Erase head, Capstans and the Pressure rollers can be seen. Clean them with a Cotton swab.

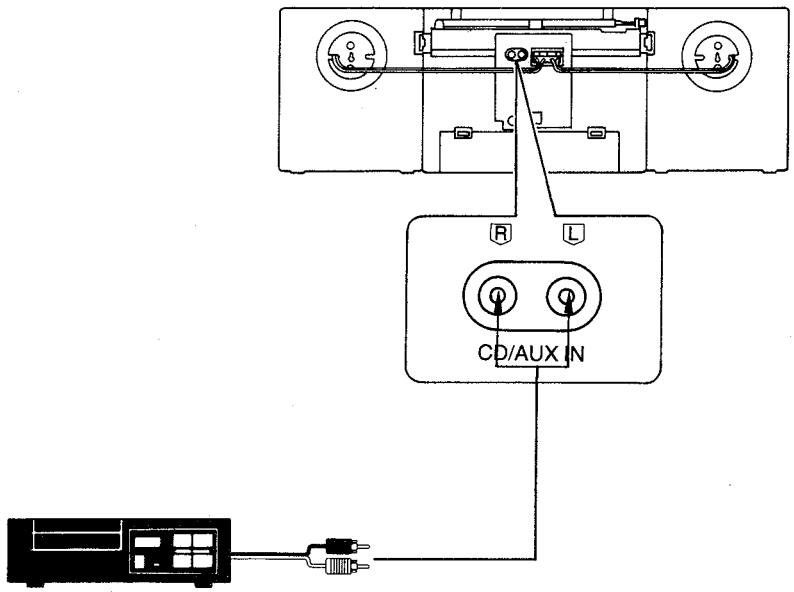
Notes:

- If the heads are extremely dirty, clean them with a soft cloth dampened with a little alcohol.
- Do not bring any type of metal objects or tools such as magnetic screwdrivers in contact with the head assembly.
- Do not clean the plastic cabinet with benzine or thinner. Clean it with a solution of soap and water.
- Avoid spray-type insecticides. Some insecticides contain chemicals that could cause cabinet deformation.



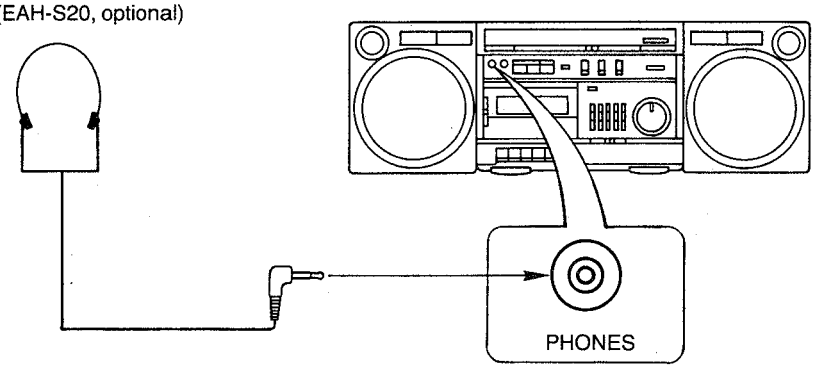
CONNECTIONS

Function Selector..."CD/AUX"



Compact disc player

Headphones
(EAH-S20, optional)



IMPORTANT NOTE

When this unit is used with an AC adaptor connected to the DC-IN jack, use only the type of AC adaptor which has a fuse in its output circuits. If a car adaptor is used, do not use any type except specified type.

VIKTIGT

När denna apparat används med en nättillsats ansluten till "DC-IN"-ingången, använd endast sådan som har säkring i utgångskretsen. I fråga om biladapter, använd endast angiven typ.

SPECIFICATIONS

■ Radio

Radio Frequency Range:	FM; 87.5–108 MHz LW; 148.5–285 kHz MW; 520–1610 kHz SW; 5.9–18.0 MHz

■ Tape Recorder

Track System:	4-track 2-channel stereo
Recording System:	AC bias, magnet erase
Monitor System:	Variable sound monitor
Frequency Range:	Normal; 60–12000 Hz CrO_2; 60–13000 Hz

■ General

Power Requirement:	AC; 220 V, 50 Hz (only for UK 240 V, 50 Hz) Power consumption; 45 W Battery; 15 V (10 UM-1, "R20/LR20" batteries) DC IN; 13.2 V (12–15 V)
Power Output:	60 W...PMPO 30 W...MPO
Speakers:	2-Woofers; 16 cm PM dynamic speakers 2-Tweeters; 2 cm speakers
Jacks:	
Input;	CD/AUX; sensitivity 316 mV/47 kΩ EXT MIC; 0.32 mV (200–600Ω)
Output;	SPEAKER; 2.7 −8Ω HEADPHONES; 32Ω
Dimensions (W×H×D):	652×218×196 mm Main unit; 299×218×196 mm Speaker box; 185×218×183 mm
Weight:	6.0 kg without batteries

Design and Specifications are subject to change without notice.

- This apparatus was produced to BS 800: 1983.
- Cet appareil est conforme aux prescriptions de la Directive 76/889/C.E.E. modifiée par la Directive 82/499/C.E.E.
- VOLDOET AAN EEG RICHTLIJN 82/499 E.E.G.
- DETTE APPARAT OVERHOLDER DE I EF-DIREKTIV Nr. 76/889 EEC AF 4. NOV. 1976, MED ÆNDRINGER IFLG. EF-DIREKTIV Nr. 82/499 EEC AF 7. JUN. 1982 GIVNE FORESKRIFTER MED HENSYN TIL RADIOSTØJ.
- La Società PANASONIC ITALIA S.p.A., importatrice di questo prodotto, dichiara che questo apparecchio è conforme alle disposizioni della direttiva C.E.E./82/499 (D.M. 10 aprile 1984.)

Matsushita Electric Industrial Co., Ltd.

RQX5223ZA F0389N0